

| | | |
|--|--|-------------------------------|
| Form 1449 (modified) | Docket: 018/258C | U.S.S.N. 09/990,080 |
| Information Disclosure Statement By Applicant | Title: Human Telomerase Catalytic Subunit Variants | |
| (Use Several Sheets if Necessary) | Inventors: Gregg B. Morin | Filing Date: 21 November 2001 |
| | | Group: 1632 |

U.S. Patent Documents

| Examiner Initial | Ref. | Patent No. | Filing Date | Issue Date | Class/ Subclass | Inventors: | Title: |
|------------------|------|------------|-------------|------------|-----------------|--------------------|---------------------|
| dmf | A | 6,261,556 | Oct 18/99 | Jul 17/01 | 424/94.5 | Weinrich SL et al. | Purified Telomerase |
| dmf | B | 6,261,836 | May 9/97 | Jul 17/01 | 435/325 | Cech TR et al. | Telomerase |

Foreign Patent or Published Foreign Patent Application

| Examiner Initial | Ref. | Document No. | Publ. Date | Jurisdiction | Title: | Translation | |
|------------------|------|--------------|------------|--------------|--|-------------|----|
| | | | | | | Yes | No |
| dmf | C | WO 98/07838 | Feb 26/98 | PCT | Higher Animal Telomerase Protein and Gene Encoding the Same; With Derwent Summary in English | Summary | |
| dmf | D | WO 98/21343 | May 22/98 | PCT | Genes Encoding Telomerase Proteins | | |
| dmf | E | WO 98/37181 | Aug 28/98 | PCT | Telomerase Catalytic Subunit Gene and Encoded Protein | | |
| dmf | F | WO 99/01560 | Jan 14/99 | PCT | Vertebrate Telomerase Genes and Proteins and Uses Thereof | | |

Other Documents

| Examiner Initial | Ref. | Author, Title, Date, Source |
|------------------|------|---|
| dmf | G | Bachand et al., Functional Regions of Human Telomerase Reverse Transcriptase and Human Telomerase RNA Required for Telomerase Activity and RNA-Protein Interactions, Mol. and Cellular Biol. 21:1888 (2001) |
| dmf | H | Bodnar et al., Extension of Life-span by Induction of Telomerase into Normal Human Cells, Science 279:349 (1998) |
| dmf | I | Bryan et al., A Mutant of <i>Tetrahymena</i> Telomerase Reverse Transcriptase with Increased Processivity, J. Biol. Chem. 275:24199 (2000) |
| dmf | J | Bryan et al., Telomerase RNA Bound by Protein Motifs Specific to Telomerase Reverse Transcriptase, Molecular Cell 6:493 (2000) |
| dmf | K | Bryan et al., Telomerase reverse transcriptase genes identified in <i>Tetrahymena thermophila</i> and <i>Oxytricha trifallax</i> , Proc. Natl. Acad. Sci. USA 95:8479 (1998) |
| dmf | L | Colgin et al., The hTERTapha splice variant is a dominant negative inhibitor of telomerase activity, Neoplasia 2:426 (2000) |
| dmf | M | Farmery et al., Major Histocompatibility Class I Folding, Assembly, and Degradation: A Paradigm for Two-Stage Quality Control in the Endoplasmic Reticulum, Progress in Nucleic Acid Res. 67:235 (2001) |
| dmf | N | Freidman et al., Essential functions of amino-terminal domains in the yeast telomerase catalytic subunit revealed by selection for variable mutants, Genes & Dev. 13:2863 (1999) |
| dmf | O | Haering et al., Analysis of telomerase catalytic subunit mutants <i>in vivo</i> and <i>in vitro</i> in <i>Schizosaccharomyces pombe</i> , PNAS 97:6367 (2000) |
| dmf | P | Hahn et al., Inhibition of telomerase limits the growth of human cancer cells, Nature Medicine 5:1164 (1999) |
| dmf | Q | Harrington et al., Human telomerase contains evolutionarily conserved catalytic and structural subunits, Genes Dev. 11:3109 (1997) |
| dmf | R | Kilian et al., Isolation of a Candidate Human Telomerase Catalytic Subunit Gene, Which Reveals Complex Splicing Patterns in Different Cell Types, Hum. Mol. Genet. 6:2011 (1997) |

| | |
|---------------------|--------------------------------------|
| Examiner <i>dmf</i> | Date Considered <i>April 15, '04</i> |
| | |

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | |
|--|---|---------------------|
| Form 1449 (modified) | Docket: 018/258C | U.S.S.N. 09/990,080 |
| Information Disclosure Statement By Applicant | Title: Human Telomerase Catalytic Subunit Variants Inventors: Gregg B. Morin | |
| (Use Several Sheets if Necessary) | Filing Date: 21 November 2001 | Group: 1632 |

Other Documents

| Examiner Initial | Ref. | Author, Title, Date, Source |
|---------------------|------|--|
| dw | S | Lai et al., RNA Binding Domain of Telomerase Reverse Transcriptase, Mol. and Cellular Biol. 21:990 (2000) |
| dw | T | Lingner et al., Reverse Transcriptase Motifs in the Catalytic Subunit of Telomerase, Science 276:561 (1997) |
| dw | U | Morin, The Implications of Telomerase Biochemistry for Human Disease, Eur. J. Biol. Chem. 33:750(1998) |
| dw | V | Myerson et al., hEST2, the Putative Human Telomerase Catalytic Subunit Gene, Is Up-Regulated in Tumor Cells and during Immortalization, Cell 90:785 (1997) |
| dw | W | Nakamura et al., Telomerase Catalytic Subunit Homologs from Fission Yeast and Human, Science 277:955 (1997) |
| dw | X | Perez et al., Human formyl peptide receptor ligand binding domain(s). Studies using an improved mutagenesis/expression vector reveal a novel mechanism for the regulation of receptor occupancy, J. Biol. Chem. 269:22485 (1994) |
| dw | Y | Solheim et al., Class I MHC molecules: assembly and antigen presentation, Immun. Reviews 172:11 (1999) |
| dw | Z | Weinrich et al., Reconstitution of Human Telomerase with the Template RNA Component hTR and the Catalytic Protein Subunit hTRT, Nat. Genet. 17:498 (1997) |
| dw | AA | Xia et al., Identification of Functionally Important Domains in the N-Terminal Region of Telomerase Reverse Transcriptase, Mol. and Cellular Biol. 20:5196 (2000) |
| dw | AB | Zakharova et al., Structural Constraints in the HIV-1 Reverse Transcriptase-Primer/Template Complex for the Initiation of DNA Synthesis from Primer tRNA ^{Lys3} , Biochem. 37:13343 (1998) |

| | |
|--------------------------------|--------------------------------------|
| Examiner <i>M. M. M. M. M.</i> | Date Considered <i>April 15, '04</i> |
| | |